



Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Page	1	of	1
Application Number	09/747,515		
Filing Date	December 21, 2000		
First Named Inventor	A. Arning et al.		
Art Unit	2167		
Examiner Name	Leslie Wong		
Attorney Docket Number	STL920000011US2		

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
LW		US-5,890,151	03-30-1999	Agrawal et al.	
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code- Number- Kind Code				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature	/Leslie Wong/	Date Considered	06/08/2006
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			

Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	09/747,515
				Filing Date	December 21, 2000
				First Named Inventor	A. ARNING et al.
				Art Unit	2167
				Examiner Name	Leslie Wong
Page	1	of	3	Attorney Docket Number	STL920000011US2

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
LW		US-5,325,445	06-28-1994	Herbert	
		US-5,778,355	07-07-1998	Boyer et al.	
		US-5,864,857	01-26-1999	Ohata et al.	
		US-5,926,818	07-20-1999	Malloy	
		US-5,926,820	07-20-1999	Agrawal et al.	
		US-5,933,796	08-03-1999	Ashida et al.	
		US-5,940,818	08-17-1999	Malloy et al.	
		US-5,943,668	08-24-1999	Malloy et al.	
		US-5,943,677	08-24-1999	Hicks	
		US-5,978,788	11-02-1999	Castelli et al.	
		US-6,003,029	12-14-1999	Agrawal et al.	
		US-6,003,036	12-14-1999	Martin	
		US-6,108,647	08-22-2000	Poosala et al.	
		US-6,122,636	09-19-2000	Malloy et al.	
		US-6,148,295	11-14-2000	Megiddo et al.	
		US-6,154,746	11-28-2000	Berchtold et al.	
		US-6,167,396	12-26-2000	Lokken	
		US-6,182,060	01-30-2001	Hedgcock et al.	
		US-6,212,515	04-03-2001	Rogers	
		US-6,278,994	08-21-2001	Fuh et al.	
		US-6,438,537	08-20-2002	Netz et al.	
		US-6,456,949	09-24-2002	Yamagajo et al.	
		US-6,460,026	10-01-2002	Pasumansky	
		US-6,490,593	12-03-2002	Proctor	
		US-6,542,895	04-01-2003	DeKimpe et al.	
		US-6,567,796	05-20-2003	Yost et al.	
		US-6,578,022	06-10-2003	Foulger et al.	
		US-2001/0047364	11-29-2001	Proctor	
		US-2002/0029207	03-07-2002	Bakalash et al.	
		US-2003/0126143	07-03-2003	Roussopoulos et al.	
LW		US-2003/0225752	12-04-2003	Bakalash et al.	

Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	09/747,515
				Filing Date	December 21, 2000
				First Named Inventor	A. ARNING et al.
				Art Unit	2167
				Examiner Name	Leslie Wong
Page	2	of	3	Attorney Docket Number	STL920000011US2

LW	US-2004/0122820	06-24-2004	Malloy et al.	
LW	US-2005/0010579	01-13-2005	Shoup et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code- Number- Kind Code				
LW		JP-8263566	10-11-1996	Deitoritsuchi et al.		Abs.
I		JP-10040050	02-13-1998	Hazama et al.		Abs.
LW		JP-2001022621	01-26-2001	Matsuo et al.		Abs.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
LW		CHAUDHURI, S. & U. DAYAL, "An Overview of Data Warehousing and OLAP Technology", [online], March 1997, [retrieved on March 13, 2006], retrieved from the Internet at <URL: http://www.cs.sfu.ca/CC/459/han/papers/chaudhuri97.pdf >.	
I		CONNOR, C. & A. DESEURE, "Using OLAP in Database Marketing", <i>Database and Network Journal</i> , April 1998, Vol. 28, No. 2, pp. 6-8.	
		HAN, J., J. PEI, g. DONG, & K. WANG, "Efficient Computation of Iceberg Cubes with Complex Measures", <i>Proceedings of the 2001 ACM SIGMOD International Conference on Management of Data</i> , May 2001, Vol. 30, No. 2, June 2001, pp. 1-12.	
		KELKAR, B., "Exploiting Symbiosis between Data Mining and OLAP for Business Insights", [online], December 2001, [retrieved on April 18, 2006], retrieved from the Internet at <URL: http://dmreview.com/editorial/dmreview/print_action.cfm?articleID=4446 >.	
		LEE, D.H., C.W. CHUNG, & H.J. KIM, "Spherical Pyramid-Technique: An Efficient Indexing Technique for Similarity Search in High-Dimensional Data", <i>Journal of KISS</i> , November 1999, Vol. 26, No. 11, pp. 1270-1281.	
		LI, C. & X.S. WANG, "A Data Model for Supporting On-line Analytical Processing", <i>Proceedings of the Fifth International Conference on Information and Knowledge Management</i> , November 1996, pp. 81-88.	
		LINDSEY, H., J.T. MASON, & T. WILSON, "Meaningful Viewing of Complex Data Structures", <i>IBM Technical Disclosure Bulletin</i> , August 1994, Vol. 37, No. 8, pp. 637-638.	
		"MIS AG Announces Software that Automates and Enhances Business-Intelligence Methods", [online], August 18, 1998, [Retrieved on December 11, 2002], retrieved from the Internet at <URL: http://www.hpcwire.com/dsstar/98/0818/100264 >.	
		PAIRCEIR, R., S. McCLEAN, & B. SCOTNEY, "Discovery of Multi-level Rules and Exceptions from a Distributed Database", <i>Proceedings of the Sixth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining</i> , 2000, pp. 523-532.	
		ROTEM, D. & J.L. ZHAO, "Extendible Arrays for Statistical Databases and OLAP Applications", <i>Proceedings of the 8th International Conference on Scientific and Statistical Database Systems</i> , June 1996, pp. 108-117.	
LW		SARAWAGI, S., "Explaining Differences in Multidimensional Aggregates", <i>Proceedings of the 25th International Conference on Very Large Data Bases</i> , September 1999, pp. 42-53.	

Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	09/747,515
				Filing Date	December 21, 2000
				First Named Inventor	A. ARNING et al.
				Art Unit	2167
				Examiner Name	Leslie Wong
Page	3	of	3	Attorney Docket Number	STL920000011US2

LW	SARAWAGI, S., R. AGRAWAL, & N. MEGIDDO, "Discovery-Driven Exploration of OLAP Data Cubes", <i>Proceedings of the 6th International Conference on Extending Database Technology</i> , March 1998, pp. 168-182.	
I	SHANMUGASUNDARAM, J., U. FAYYAD, & P.S. BRADLEY, "Compressed Data Cubes for OLAP Aggregate Query Approximation on Continuous Dimensions", <i>Proceedings of the 5th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining</i> , 1999, pp. 223-232.	
I	SUNG, S., S. HUANG, & A. RAMER, "Smoothing Over Summary Information in Data Cubes", <i>Journal of Systems Integration</i> , Vol. 10, No. 1, November 2000, pp. 5-22.	
LW	THEODORATOS, D. & T. SELLIS, "Answering Multidimensional Queries on Cubes Using Other Cubes", <i>Proceedings of the 12th International Conference on Scientific and Statistical Database Management</i> , July 2000, pp. 110-122.	

Examiner Signature	Leslie Wong	Date Considered	6/7/2006
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			